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1 [High dynamic range imaging](#)

 Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik
 August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available:  pdf(20.22 MB) Additional Information: [full citation](#), [abstract](#)

Current display devices can display only a limited range of contrast and colors, which is one of the main reasons that most image acquisition, processing, and display techniques use no more than eight bits per color channel. This course outlines recent advances in high-dynamic-range imaging, from capture to display, that remove this restriction, thereby enabling images to represent the color gamut and dynamic range of the original scene rather than the limited subspace imposed by current monitor ...

2 [ACM multimedia art exhibit: digital boundaries: The dawn at my back](#)

 Carroll Parrott Blue
 October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  pdf(153.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Interactive multimedia narrative in CD/DVD-ROMs and game design offers choice and non-linearity as communication signifiers. The viewer chooses where to go in an interactive design, viewing content in a non-traditional, non-linear fashion. However the content is totally controlled by the author, not the reader. The content is pre-determined while the viewer controls the viewing path in real time.

< i > The Dawn At My Back: Memoir of a Black Texas Upbringing < /i > outlines three para ...

Keywords: author, autobiography, interactive art, memoir, narrative, reader (user experience), storytelling

3 [The university of DVD](#)

 Avi Rushinek, Sara Rushinek
 December 2003 **Ubiquity**, Volume 4 Issue 41

Publisher: ACM Press

Full text available: Additional Information:

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Key: IEEE JNL = IEEE Journal or Magazine, IEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, II CNF = IEE Conference, IEEE STD = IEEE Standard

1. **A metadata model for capturing presentations**
Einhorn, R.; Olbrich, S.; Nejdl, W.;
Advanced Learning Technologies, 2003. Proceedings. The 3rd IEEE International Conference on
9-11 July 2003 Page(s):110 - 114
IEEE CNF
2. **A content-based browsing system for a HDD and/or recordable-DVD personal video recorder**
Nakane, K.; Otsuka, I.; Esumi, K.; Divakaran, A.; Murakami, T.;
Consumer Electronics, 2003. ICCE. 2003 IEEE International Conference on
17-19 June 2003 Page(s):26 - 27
IEEE CNF
3. **Copy protection for DVD video**
Bloom, J.A.; Cox, I.J.; Kalker, T.; Linnartz, J.-P.M.G.; Miller, M.L.; Traw, C.B.S.;
Proceedings of the IEEE
Volume 87, Issue 7, July 1999 Page(s):1267 - 1276
IEEE JNL
4. **WISDNA: an information visualization paradigm for XML**
Baeza-Yates, R.; Lemus, R.; Ponceleon, D.; Savitha Srinivasan;
Web Congress, 2003. Proceedings. First Latin American
10-12 Nov. 2003 Page(s):205 - 208
IEEE CNF
5. **Image and video coding-emerging standards and beyond**
Haskell, B.G.; Howard, P.G.; LeCun, Y.A.; Puri, A.; Ostermann, J.; Civanlar, M.R.; Rabiner, L.; Bottou, L.; Haffner, I;
Circuits and Systems for Video Technology, IEEE Transactions on
Volume 8, Issue 7, Nov. 1998 Page(s):814 - 837
IEEE JNL
6. **Metadata-driven multimedia access**
van Beek, P.; Smith, J.R.; Ebrahimi, T.; Suzuki, T.; Askelof, J.;
Signal Processing Magazine, IEEE
Volume 20, Issue 2, March 2003 Page(s):40 - 52
IEEE JNL
7. **Digital video needs for oceanographic images for the National Oceanic and Atmospheric Administration (NOAA): phase 2**
Anderson, D.; Cumberpatch, M.L.; Beattie, J.A.; Fiolek, A.;
OCEANS 2003. Proceedings
Volume 3, 22-26 Sept. 2003 Page(s):1292 - 1296 Vol.3
IEEE CNF

[html\(.00 bytes\)](#)[full citation, abstract, index terms, review](#)

Universities and training organizations increasingly use technology to record and distribute original material, bringing on a new class of technological and legal issues.

4 DVD mastering using QDVDAuthor

Dan Sawyer

December 2005 **Linux Journal**, Volume 2005 Issue 140

Publisher: Specialized Systems Consultants, Inc.

Full text available: [html\(19.25 KB\)](#) Additional Information: [full citation, abstract, index terms](#)

Do you need a Mac to do professional DVD authoring? Not at all. It's easy with QDVDAuthor.

5 The Linux for kids experiment

Paul Barry

October 2005 **Linux Journal**, Volume 2005 Issue 138

Publisher: Specialized Systems Consultants, Inc.

Full text available: [html\(20.85 KB\)](#) Additional Information: [full citation, abstract, index terms](#)

Can a Linux dad get his family moved to a secure, easy-administration box without giving up the fun and education?

6 A multi-view intelligent editor for digital video libraries

Brad A. Myers, Juan P. Casares, Scott Stevens, Laura Dabbish, Dan Yocum, Albert Corbett
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM Press

Full text available: [pdf\(7.73 MB\)](#) Additional Information: [full citation, abstract, references, citations, index terms](#)

Silver is an authoring tool that aims to allow novice users to edit digital video. The goal is to make editing of digital video as easy as text editing. Silver provides multiple coordinated views, including project, source, outline, subject, storyboard, textual transcript and timeline views. Selections and edits in any view are synchronized with all other views. A variety of recognition algorithms are applied to the video and audio content and then are used to aid in the editing tasks. The ...

Keywords: digital video editing, informedia, multimedia authoring, silver, video library

7 Manning the boat with a diverse (non-traditional) crew

David E. Alexander, Claire C. Lassalle, Lori C. Steib
November 2005 **Proceedings of the 33rd annual ACM SIGUCCS conference on User services SIGUCCS '05**

Publisher: ACM Press

Full text available: [pdf\(138.09 KB\)](#) Additional Information: [full citation, abstract, references, index terms](#)

Due to a lack of increase in departmental funding, the Pennington Biomedical Research Center departments of Computing Services and Library Services are continually looking for ways to increase efficiency and productivity without the increase of personnel and resources. A continual need for office space in the research facility was at a critical point in the year 2000. Computing Services and Library Services worked together to develop an arrangement that was beneficial to both departments: the mo ...

Keywords: computer lab, grants, help desk, library services, management, staffing, support, training, wireless

8 Student competition papers: A high-level view of Java applications

 Eric Bodden

October 2003 **Companion of the 18th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications**

Publisher: ACM Press

Full text available:  pdf(72.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Static analysis of object-oriented applications has become widespread over the last decade, mainly in the context of compile-time optimizations. The paper describes how static analysis of virtual method calls can be employed to provide a high-level view of Java applications. The result is a method call graph that can be built from either source or bytecode, and a graphical browser that enables the user to analyze control flow and the coupling between classes and packages in an intuitive fashion, ...

Keywords: Java, call graph visualization, static analysis

9 DVD players

Dave Phillips

December 2003 **Linux Journal**, Volume 2003 Issue 116

Publisher: Specialized Systems Consultants, Inc.

Full text available:  html(32.71 KB) Additional Information: [full citation](#), [abstract](#)

Dave compares and tests the best DVD-playing software.

10 From the president: to DVD or not to DVD

 Barbara Simons

May 2000 **Communications of the ACM**, Volume 43 Issue 5

Publisher: ACM Press

Full text available:  pdf(48.22 KB)
 html(11.62 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

11 Hollywood goes haywire

Gilbert Held

January 2001 **International Journal of Network Management**, Volume 11 Issue 1

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(69.87 KB) Additional Information: [full citation](#), [index terms](#)

12 Education papers: posters: Assessing undergraduate experience of continuous integration and test-driven development

 Jon Bowyer, Janet Hughes

May 2006 **Proceeding of the 28th international conference on Software engineering ICSE '06**

Publisher: ACM Press

Full text available:  pdf(62.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A number of agile practices are included in software engineering curricula, including test-driven development. Continuous integration often is not included, despite it becoming increasingly common in industry to code, test, and integrate at the same time. This paper describes a study whereby software engineering undergraduates were given a short

intensive experience of test-driven development with continuous integration using an environment that imitated a typical industrial circumstance. Assess ...

Keywords: JUnit, agile practices, assessment process, continuous integration, software engineering education, test driven development

13 Cognitive and social aspects of software engineering: a course framework

 Orit Hazzan

June 2003 **ACM SIGCSE Bulletin , Proceedings of the 8th annual conference on Innovation and technology in computer science education ITiCSE '03,**

Volume 35 Issue 3

Publisher: ACM Press

Full text available:  pdf(266.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article focuses on teaching and learning human aspects of Software Engineering (SE). Based on several classes that the author taught on the subject, the article describes a framework for a course that deals with cognitive and social aspects of SE. In these classes students worked in teams, and the lessons consisted of lectures, activities, class discussions, and student presentations. The activities which students worked on aimed to address two of the human aspects of SE: the cognitive aspe ...

Keywords: cognitive aspect, course framework, social aspects, software engineering

14 Transforming a company with OOP

 Andrea Rinaldi

September 2000 **ACM SIGAPP Applied Computing Review**, Volume 8 Issue 1

Publisher: ACM Press

Full text available:  pdf(395.47 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The object-oriented software development paradigm has reached the mainstream application market very soon after its boom in research institutions. However, the lack of an organized work plan has spelt the doom of those who jumped on corporate object orientation without a precise growth plan. Many are the choices that have to be undertaken in such an environment, and some of them affect the fabric of software development in the very core of the business. Object orientation, however, promises to r ...

15 Technical demonstration 2: media authoring and processing: LazyCut: content-aware

 template-based video authoring

Xian-Sheng Hua, Zengzhi Wang, Shipeng Li

November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**

Publisher: ACM Press

Full text available:  pdf(175.79 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Though there are many commercial video authoring tools available today, video authoring remains as a tedious and extremely time consuming task that often requires trained professional skills. To tackle this issue, this demonstration presents a novel end-to-end system, called LazyCut, which enables fast, flexible and personalized video authoring and sharing. LazyCut provides a semi-automatic video authoring and sharing system that significantly reduces users' efforts in video editing while preser ...

Keywords: content analysis, template-based video authoring

16 DVD transcoding via Linux metacomputing

F. J. Gonzalez-Castaño, R. Asorey-Cacheda, R. P. Martinez-Alvarez, F. Comesáña-Seijo, J. Vales-Alonso

December 2003 **Linux Journal**, Volume 2003 Issue 116

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [html\(22.09 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Strategies for converting MPEG-2 video from DVDs to MPEG-4 for next-generation home media applications.

17 Interactive surfaces: Video-based document tracking: unifying your physical and electronic desktops

 Jiwon Kim, Steven M. Seitz, Maneesh Agrawala

October 2004 **Proceedings of the 17th annual ACM symposium on User interface software and technology**

Publisher: ACM Press

Full text available:  [pdf\(7.33 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents an approach for tracking paper documents on the desk over time and automatically linking them to the corresponding electronic documents using an overhead video camera. We demonstrate our system in the context of two scenarios, <i>paper tracking</i> and <i>photo sorting</i>. In the paper tracking scenario, the system tracks changes in the stacks of printed documents and books on the desk and builds a complete representation of the spatial structure of the de ...

Keywords: document recognition, intelligent office, interactive desktop, video analysis

18 etc/rant: the 64-bit question

Nicholas Petreley

May 2006 **Linux Journal**, Volume 2006 Issue 145

Publisher: Specialized Systems Consultants, Inc.

Full text available:  [html\(5.78 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

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19 Committee addresses controversial subjects...and other topics

 Bob Ellis

May 2000 **ACM SIGGRAPH Computer Graphics**, Volume 34 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(318.09 KB\)](#) Additional Information: [full citation](#), [index terms](#)

20 Plenary Panel: Is streaming media becoming mainstream?

 Savitha Srinivasan, Dulce Ponceleon, Dick Butlerman, Edward Delp, Alexandros Eleftheriadis, Pablo Fernicola, Rob Lanphier, See-Mong Tan

October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  [pdf\(84.65 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

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